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29 June 1967

MEMORANDUM

SUBJECT: Preliminary Assessment of Keyhole  
Mission 1042-1 17-22 June 1967

1. Mission 1042-1, the first of a two part  
KH-4 operation, provided low resolution photography  
of prime intelligence targets in the USSR, China,  
[REDACTED] The second half of the mis-  
sion should be in next week.

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Note: This memorandum was prepared by representa-  
tives of the Directorate of Intelligence and the  
Directorate of Science and Technology, with photo-  
graphic assistance by the CIA Imagery Analysis Staff  
and coordination by the Office of National Estimates.

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Soviet Northern Fleet Bases

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4. This mission provides the most complete photography [redacted] of the naval bases in the Soviet Northern Fleet. A total of nearly 100 submarines are identified at 13 bases. This accounts for well over half of the 160 submarines assigned to the Northern Fleet. About a dozen units are currently on patrol.

5. Six H-class ballistic missile submarines are identified in the Northern Fleet. Some of these identifications are tenuous. If all are confirmed, however, the total number of this class assigned to the Northern Fleet is one higher than previously estimated.

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6. The new class ballistic missile submarine at Shipyard 402 has returned to its original berthing space from the middle of the estuary at Severodvinsk. The unidentified [redacted] submarine with a very large sail remains in the launching basin at the shipyard. It is still uncertain whether or not this submarine is the second unit of the new ballistic missile class,

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7. An amphibious exercise was photographed in progress in the Northern Fleet [redacted] Three W-class submarines, two Polnocny-class landing craft, and one of the new Alligator-class landing craft are identified. The submarines were probably providing offshore defense for the landing force. This is the first evidence that an Alligator-class is assigned to the Northern Fleet. The only other operational units of this class are two now deployed to the Mediterranean.

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Soviet ICBM Deployment

8. Portions of nine of the 24 Soviet ICBM complexes were photographed, but only two were entirely cloud free. The ninth group of small single silos under construction at Olovyannaya is confirmed with the discovery of four new sites there. Approximately 505 small silos are now under construction or operational. The large silo count remains at 178.

Soviet Defensive Missile Systems

9. Two probable Long Range SAM complexes are newly identified on the Baltic Sea coast near Kaliningrad and Ventspils. Both complexes were started within the past two months and are in the early stages of construction. Each has three launch sites. A total of 31 such complexes has now been identified in the USSR, and it appears that the rate of construction starts is continuing at about 15 per year. Priority has apparently been given to the northwestern and northern barrier defenses extending from Kaliningrad to the Urals.

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Soviet Missile Ranges

11. At Plesetsk, vehicles and equipment are observed at three of the four SS-6 ICBM pads. The vacant pad is undergoing modifications, probably to convert it for space launch use.

12. At Kapustin Yar, an aerodynamic vehicle comparable to the 70-foot delta-winged LUGGAGE was on the launcher at area 3D [REDACTED]

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[REDACTED] A second LUGGAGE-type vehicle may have been located behind the checkout building [REDACTED]

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13. Tyuratam was not targeted, but it is programmed for coverage during the second part of the mission.

Chinese Missile Range

14. No activity, equipment or missiles are evident at any of the four launch complexes of the Shuang-cheng-tzu missile test range. Expansion of launch pad A-1 has apparently continued at a slow pace, but the purpose of this expansion is still not known.

Mongolia

15. At Choybalsan, a new airfield and related support facilities are nearing completion. Comparative photography [redacted] shows that the project was just begun at that time, indicating it has high priority. There is no photographic evidence yet regarding the purpose of the airfield. [redacted]

[redacted] the Soviets may be preparing to station military forces in the area.

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